



Features

Memory Size : 16k (Non-volatile)
No. of Readings : 16000 (approx)
Resolution : 8 bit
Trigger Start : Magnetic reed switch
Delayed Start : Relative / Actual
up to 45 days
Stop Options : When Full
After n Readings
Never (Wrap around)
Logging Interval : 1 sec to 10 days
Offload : While stopped or
when logging in
minute multiples
Alarms : Two, fully
Programmable
Functional Range : -40°C to +85°C /
-40°F to +185°F
IP Rating : IP68 waterproof
Battery Life : Up to 5 Years

Sensor Details

Range : 0 to 25mm per Interval
Sensor size : 110mm / 4.33 dia.
90mm / 3.54 high
2m / 78 Cable length
Sensor Type : Drop contact
Resolution : 0.1mm
Accuracy : ± 0.1mm per Interval
Max Rainfall : 25.5mm per interval
Continuous : 0.03mm per second

Note:

During very heavy rainfall, additional errors may be encountered due to raindrops splashing over the side of the sensor.

Mechanical Data

Case Style : IP68 Style

Case Dimensions

Height : 34mm / 1.34
Width : 59mm / 2.32
Depth : 80mm / 3.15
Weight : 110g / 3.9 oz.

Notes:

Battery replacement recommended every 2 years. It may be replaced with Saft 3.7V 1/2AA Lithium cells. Stop the unit logging before replacing the battery.

Functional Range describes the range over which the logger will function, **not** the sensor range over which it will record.

Approvals

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd. to EN ISO 9002 part 2 (Certificate No. 6134), and is CE approved to EN50081 part 1:1992 and EN50082 part 1 and 2:1992/95 with any standard leads or probes supplied.



Special Notes

When using the units at low temperatures, condensation may form. Before opening the case for any reason, allow the units to reach room temperature. For obvious reasons the rain gauge will not operate in freezing conditions.

The IP68 rating is only valid to a depth of 50ft (15m), and only when the connector cap and sensor are both securely fitted.
This logger is not suitable for use with Re-educator software.

Interface Information and Related Products

To use your Tinytag Plus Rain Data Logger you will require:

Tinytag interface cable (CAB-0007), PC with GLM for Windows™ (SW-0009) or Easyview for Windows 95™ (SW-0500); or Psion handheld computer, with Tinylink version 2.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet).

Further Related Products:

ACS-6000 Trigger Start Magnet
SER-9532 Tinytag Plus Service Kit including battery and seal
TGP-0903 Tinytag Plus Leaf Wetness logger

Applications

Rainfall monitoring:
Agriculture
Horticulture